Fiducial Cut

20 %

80 %

Fiducial cut geometrically suppress 20 % of the event

350-500 GeV :

ESEV3 1D fit
Before cut : 825 protons 302 leptons
After cut : 661 protons 263 leptons
Finally in the blue region we have : 19,8 % protons and 12 % of electrons

Where is the missed electrons ?
-> Pollution by the protons ? No because we don't have more protons than expected
-> Migration in lower Bin ?

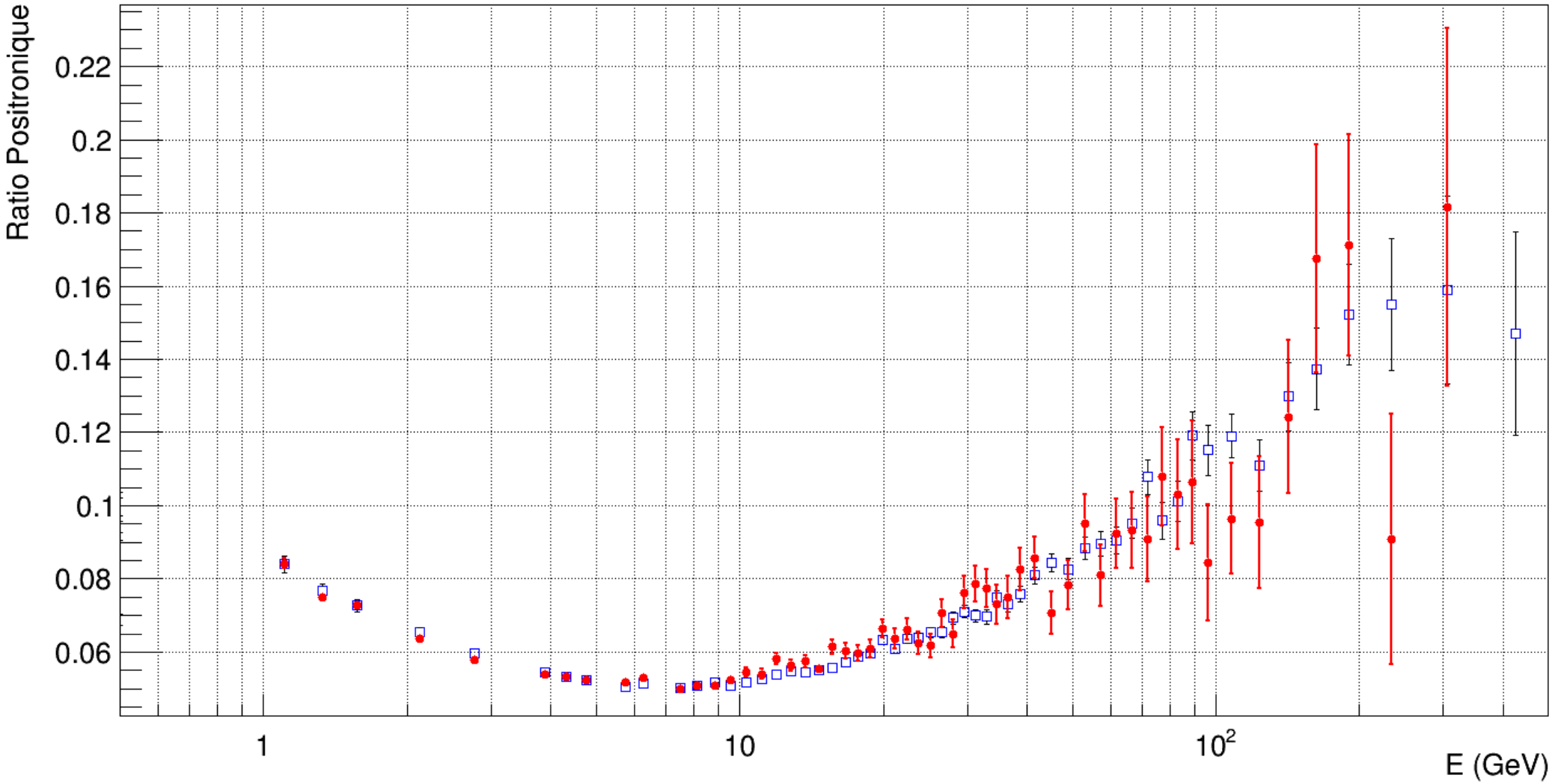
Fiducial Cut

Leptons in the border :

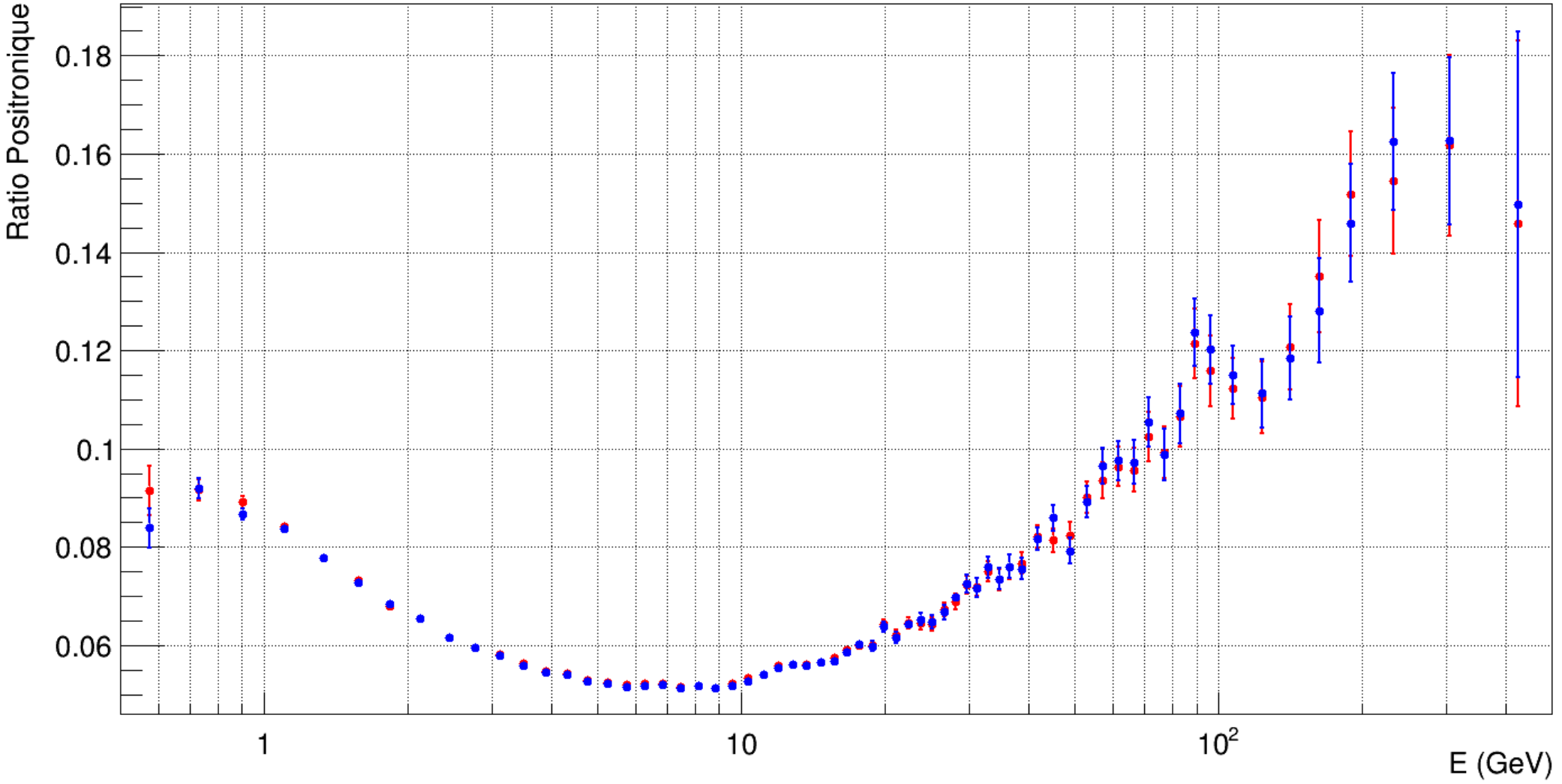
350-500 Gev : 12 %
15 GeV : 16 %
5 GeV : 17,5 %
3 GeV : 18,2 %
1 GeV : 22,7 %

Seems to be Bin to Bin migration

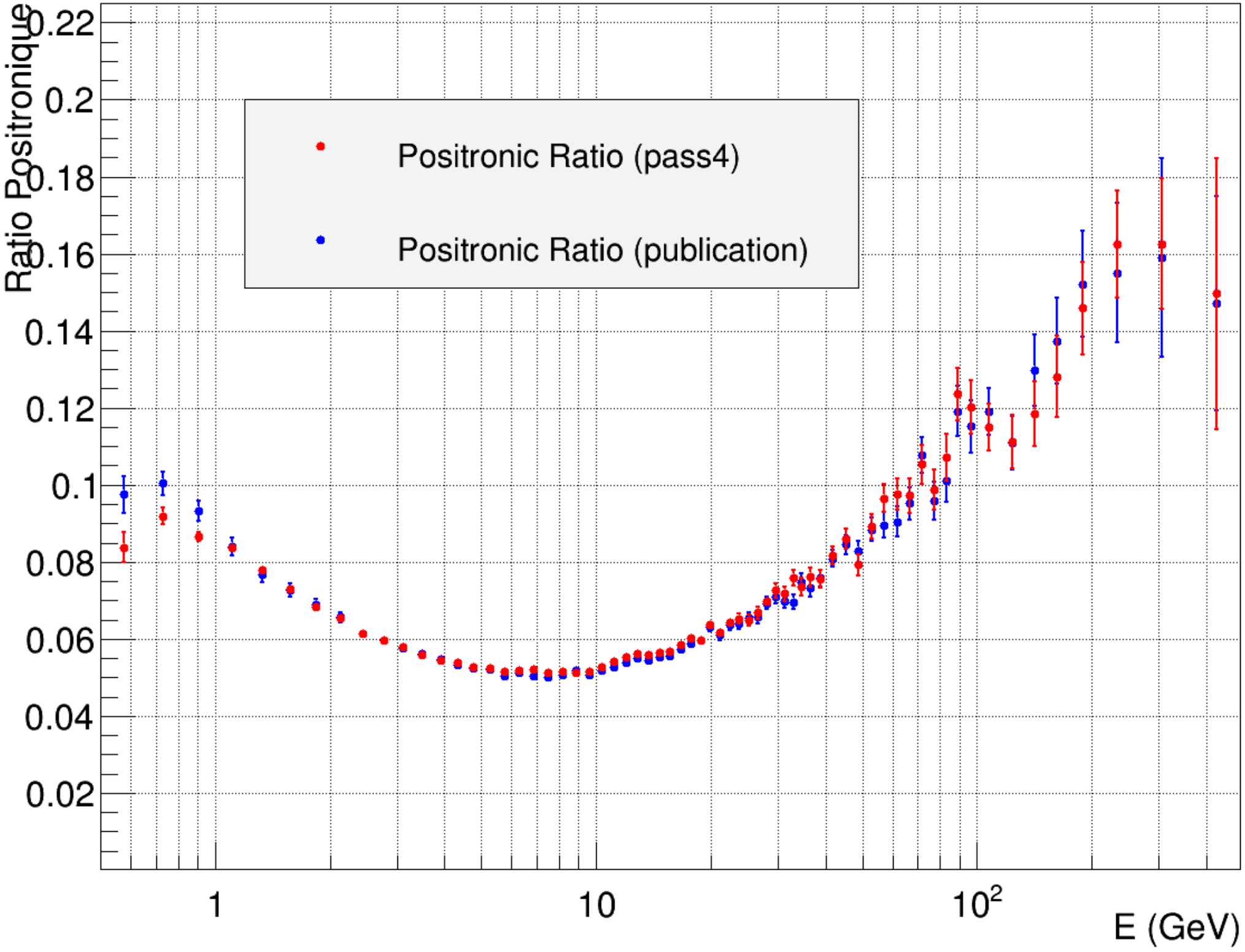
Fiducial Cut prinpally reduce Bin to bin migration

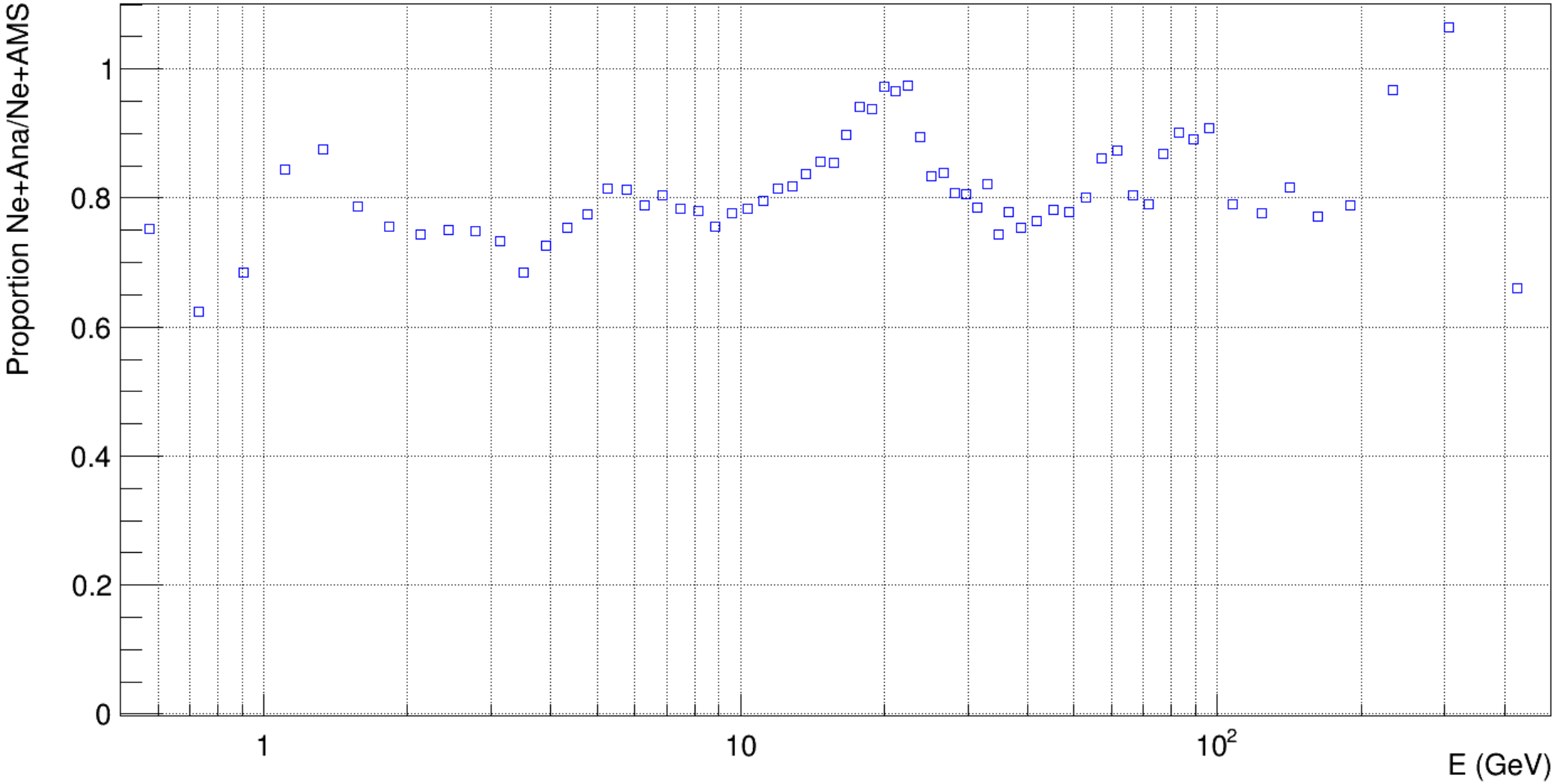


Positronic Ratio on the border of calorimeter



Blue : fiducial Cut
Red : no fiducial Cut


Ratio Positronique
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
Positronic Ratio (pass4)
Positronic Ratio (publication)
1
10
10^2
E (GeV)


Proportion Ne+Ana/Ne+AMS
1
0.8
0.6
0.4
0.2
0
1
10
10^2
E (GeV)